

=> d his

(FILE 'HOME' ENTERED AT 21:28:12 ON 09 SEP 2001)

FILE 'REGISTRY' ENTERED AT 21:28:16 ON 09 SEP 2001

L1 STRUCTURE UPLOADED

L2 STRUCTURE UPLOADED

L3 0 S L2

L4 5 S L3 FULL

FILE 'CA' ENTERED AT 21:29:41 ON 09 SEP 2001

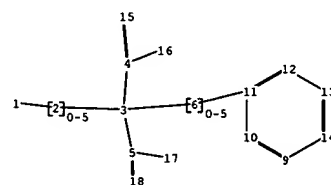
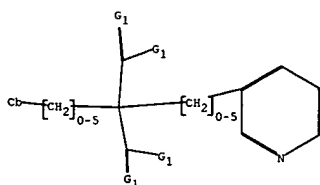
L5 2 S L4

FILE 'CAOLD' ENTERED AT 21:30:07 ON 09 SEP 2001

=> s l4

L6 0 L4

STN 'Structure : 09854694.str



chain nodes :

1 2 3 4 5 6 15 16 17 18

ring nodes :

9 10 11 12 13 14

chain bonds :

1-2 2-3 3-4 3-5 3-6 4-16 4-15 5-17 5-18 6-11

ring bonds :

9-10 9-14 10-11 11-12 12-13 13-14

exact/norm bonds :

4-16 4-15 5-17 5-18

exact bonds :

1-2 2-3 3-4 3-5 3-6 6-11

normalized bonds :

9-10 9-14 10-11 11-12 12-13 13-14

isolated ring systems :

containing 9 :

G1:O,S

Match level :

1:Atom 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 9:Atom 10:Atom 11:Atom 12:Atom
13:Atom 14:Atom 15:CLASS 16:CLASS 17:CLASS 18:CLASS

Connecting via Winsock to STN

Trying 3106016892...Open

Welcome to STN International! Enter x:x

LOGINID:sssptal612BXR

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America
 NEWS 2 Dec 17 The CA Lexicon available in the CAPLUS and CA files
 NEWS 3 Feb 06 Engineering Information Encompass files have new names
 NEWS 4 Feb 16 TOXLINE no longer being updated
 NEWS 5 Apr 23 Search Derwent WPINDEX by chemical structure
 NEWS 6 Apr 23 PRE-1967 REFERENCES NOW SEARCHABLE IN CAPLUS AND CA
 NEWS 7 May 07 DGENE Reload
 NEWS 8 Jun 20 Published patent applications (A1) are now in USPATFULL
 NEWS 9 JUL 13 New SDI alert frequency now available in Derwent's
 DWPI and DPCI
 NEWS 10 Aug 23 In-process records and more frequent updates now in
 MEDLINE
 NEWS 11 Aug 23 PAGE IMAGES FOR 1947-1966 RECORDS IN CAPLUS AND CA
 NEWS 12 Aug 23 Adis Newsletters (ADISNEWS) now available on STN

 NEWS EXPRESS August 15 CURRENT WINDOWS VERSION IS V6.0c,
 CURRENT MACINTOSH VERSION IS V6.0 (ENG) AND V6.0J (JP),
 AND CURRENT DISCOVER FILE IS DATED 07 AUGUST 2001
 NEWS HOURS STN Operating Hours Plus Help Desk Availability
 NEWS INTER General Internet Information
 NEWS LOGIN Welcome Banner and News Items
 NEWS PHONE Direct Dial and Telecommunication Network Access to STN
 NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

All use of STN is subject to the provisions of the STN Customer agreement. Please note that this agreement limits use to scientific research. Use for software development or design or implementation of commercial gateways or other similar uses is prohibited and may result in loss of user privileges and other penalties.

* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 21:28:12 ON 09 SEP 2001

=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

FULL ESTIMATED COST

ENTRY	SESSION
0.15	0.15

FILE 'REGISTRY' ENTERED AT 21:28:16 ON 09 SEP 2001
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2001 American Chemical Society (ACS)

STRUCTURE FILE UPDATES: 7 SEP 2001 HIGHEST RN 355367-45-2
DICTIONARY FILE UPDATES: 7 SEP 2001 HIGHEST RN 355367-45-2

TSCA INFORMATION NOW CURRENT THROUGH January 11, 2001

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

Structure search limits have been increased. See HELP SLIMIT
for details.

=>

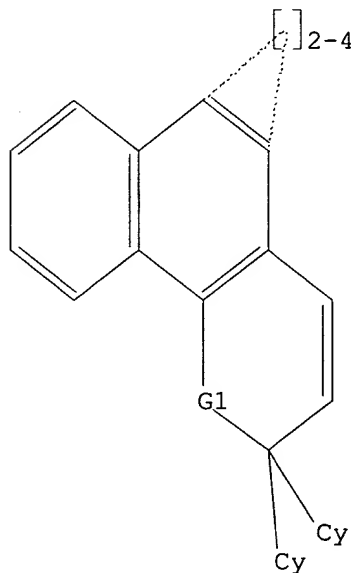
Uploading 09485921.str

L1 STRUCTURE UPLOADED

=> d l1

L1 HAS NO ANSWERS

L1 STR



G1 O,S

Structure attributes must be viewed using STN Express query preparation.

=>

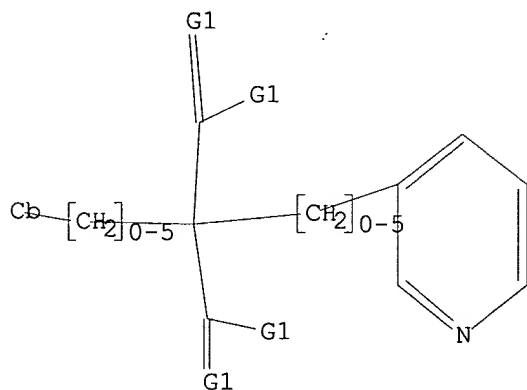
Uploading 09854694.str

L2 STRUCTURE UPLOADED

=> d 12

L2 HAS NO ANSWERS

L2 STR



G1 O,S

Structure attributes must be viewed using STN Express query preparation.

=> s 12

SAMPLE SEARCH INITIATED 21:29:21 FILE 'REGISTRY'
 SAMPLE SCREEN SEARCH COMPLETED - 1258 TO ITERATE

79.5% PROCESSED 1000 ITERATIONS 0 ANSWERS
 INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
 SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
 BATCH **COMPLETE**
 PROJECTED ITERATIONS: 23033 TO 27287
 PROJECTED ANSWERS: 0 TO 0

L3 0 SEA SSS SAM L2

=> s 13 full

THE ESTIMATED SEARCH COST FOR FILE 'REGISTRY' IS 133.25 U.S. DOLLARS
 DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N or END:y

FULL SEARCH INITIATED 21:29:32 FILE 'REGISTRY'
 FULL SCREEN SEARCH COMPLETED - 24636 TO ITERATE

100.0% PROCESSED 24636 ITERATIONS 5 ANSWERS

SEARCH TIME: 00.00.05

L4 5 SEA SSS FUL L2

=> file ca

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	133.87	134.02

FILE 'CA' ENTERED AT 21:29:41 ON 09 SEP 2001
 USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
 PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
 COPYRIGHT (C) 2001 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications.

FILE COVERS 1947 - 6 Sep 2001 VOL 135 ISS 12
 FILE LAST UPDATED: 6 Sep 2001 (20010906/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

This file supports REGISTRY for direct browsing and searching of all substance data from the REGISTRY file. Enter HELP FIRST for more information.

The CA file now provides online access to patents and literature covered in CA from 1947 to the present. On April 22, 2001, bibliographic information and abstracts were added for over 2.2 million references published in CA from 1947 to 1966.

The CA Lexicon is now available in the Controlled Term (/CT) field. Enter HELP LEXICON for full details.

Attention, the CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

=> s l4

L5 2 L4

=> d l5, ibib abs fhitr, 1-2

L5 ANSWER 1 OF 2 CA COPYRIGHT 2001 ACS
 ACCESSION NUMBER: 133:73936 CA
 TITLE: Preparation of substituted malonic acid esters as ion channel activating agents

INVENTOR(S): Beyer, Jurgen; Jensen, Bo Skaaning; Strobaek, Dorte;
 Christophersen, Palle; Teuber, Lene
 PATENT ASSIGNEE(S): Neurosearch A/S, Den.
 SOURCE: PCT Int. Appl., 55 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

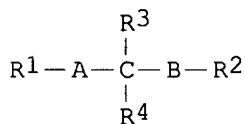
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000037422	A2	20000629	WO 1999-DK731	19991222
WO 2000037422	A3	20000914		

W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

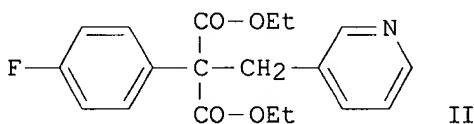
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.: DK 1998-1722 A 19981222
 DK 1999-403 A 19990323
 DK 1999-660 A 19990512

OTHER SOURCE(S): MARPAT 133:73936
 GI



I



II

AB The invention relates to ion channel activating agents, specifically malonic acid esters (I) [wherein A and B = independently (CH₂)_n, (CH₂)_nY, Y(CH₂)_n, or (CH₂)_nY(CH₂)_m; m and n = independently 0-4; Y = O, S, or (alkyl)amino; R₁, R₂, R₃, and R₄ = independently (cyclo)alkyl, alkenyl, alkynyl, amino, trihalomethyl, NO₂, CN, Ph, alkoxy(alkyl), alkylthio(alkyl), acyl, amido, carboxy, (un)substituted heterocyclyl or aryl(alkyl), etc.; or R₃ and R₄ together = (un)substituted polycyclic or hetero(poly)cyclic group]. In particular, the compds. are useful as openers SKCa, IKCa, and BKCa channels. The invention also relates to the use of these SK/IK/BK channel-activating agents for the manuf. of medicaments, and to pharmaceutical compns. comprising them. The compds. are useful for the treatment or alleviation of a wide variety of diseases and conditions assocd. with SK/IK/BK channels, including respiratory diseases such as asthma, cystic fibrosis, chronic obstructive pulmonary disease and rhinorrhea, convulsions, vascular spasms, coronary artery spasms, renal disorders, polycystic kidney disease, bladder spasms, urinary incontinence, bladder outflow obstruction, irritable bowel syndrome, gastrointestinal dysfunction, secretory diarrhea, ischemia,

cerebral ischemia, ischemic heart disease, angina pectoris, coronary heart disease, traumatic brain injury, psychosis, anxiety, depression, dementia, memory and attention deficits, Alzheimer's disease, dysmenorrhea, narcolepsy, Reynaud's disease, intermittent claudication, Sjorgren's syndrome, migraine, arrhythmia, hypertension, absence seizures, myotonic muscle dystrophia, xerostomi, diabetes type II, hyperinsulinemia, premature labour, baldness, cancer, and immune suppression. In particular, the compds. are expected to be useful as immunosuppressants. For instance, addn. of 3-picolyl chloride to di-Et 2-(4-fluorophenyl)malonate treated with NaH in DMF and heating to 80.degree.C overnight gave II (22%). In an electrophysiol. expt. using cloned human placental intermediate-conductance Ca²⁺-activated K⁺ channels (IK channels), expressed in HEK293 cells, II and other invention compds. showed activity at concns. of .ltoreq. 10 .mu.M, and are thus potent SK/IK/BK channel activating agents.

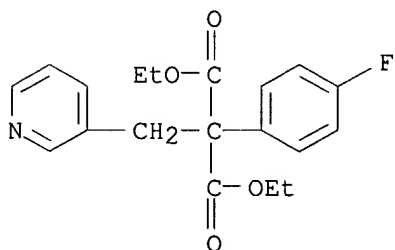
IT **278791-04-1P**

RL: BAC (Biological activity or effector, except adverse); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(prepn. of substituted malonic acid esters as ion channel activating agents by addn. of (hetero)aryl(alkyl) chlorides to substituted malonic acid derivs.)

RN 278791-04-1 CA

CN Propanedioic acid, (4-fluorophenyl)(3-pyridinylmethyl)-, diethyl ester (9CI) (CA INDEX NAME)



L5 ANSWER 2 OF 2 CA COPYRIGHT 2001 ACS

ACCESSION NUMBER: 108:94949 CA

TITLE: Preparation of statine-containing peptides as orally-active renin inhibitors

INVENTOR(S): Morisawa, Yasuhiro; Yabe, Yuichiro; Kataoka, Mitsuru; Iijama, Yasuteru; Koike, Hiroyuki; Takahagi, Hidekuni;

Kokubu, Tatsuo; Hiwada, Kunio

PATENT ASSIGNEE(S): Sankyo Co., Ltd. , Japan

SOURCE: Eur. Pat. Appl., 112 pp.

CODEN: EPXXDW

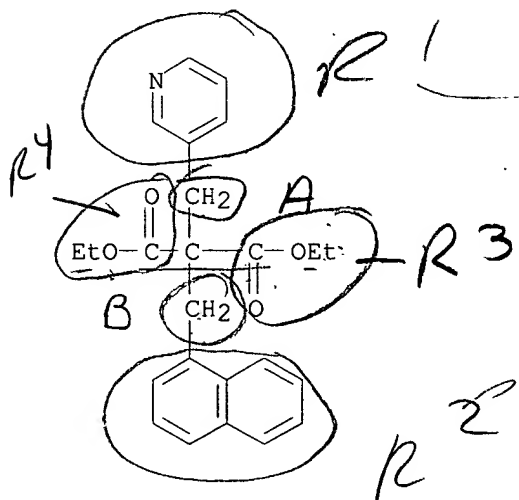
DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 228192	A2	19870708	EP 1986-309362	19861201
EP 228192	A3	19890823		
R: AT, BE, CH, DE, ES, FR, GB, IT, LI, LU, NL, SE				
JP 62142145	A2	19870625	JP 1985-268415	19851129
JP 06062530	B4	19940817		
JP 63063649	A2	19880322	JP 1986-208621	19860904
JP 07020918	B4	19950308		
JP 62246546	A2	19871027	JP 1986-307058	19861223
JP 07049405	B4	19950531		
PRIORITY APPLN. INFO.:			JP 1985-268415	19851129
			JP 1985-297664	19851226
			JP 1986-208621	19860904
AB	R1R2CHCONR3CHR4CONHCH(CH2R5)CH(OH)(CH2)nCONH(CHR6CONH)nR7 [I; R1 = arylalkyl, heterocyclalkyl, acylalkyl, alkoxyalkoxyalkyl, (substituted) carbamoyl, acylamino; R2 = arylalkyl, heterocyclalkyl; R3 = H, alkyl; R4 = H, (substituted) alkyl, haloalkenyl, alkynyl, cycloalkyl; R5 = Me2CH, cycloalkyl, Ph; R6 = alkyl; R7 = (substituted) alkyl; m, n = 0, 1] were prepd. as renin inhibitors. N-Nicotinoyl-3-(1-naphthyl)-L-alanyl-L-leucylstatyl-L-lysino1.HCl was prepd. via soln.-phase method using (EtO)2P(O)CN/Et3N in DMF. I gave 68-98% inhibition of human renin at 10-6M.			
IT	112804-18-9P			
	RL: SPN (Synthetic preparation); PREP (Preparation) (prepn. of, as renin inhibitor intermediate)			
RN	112804-18-9 CA			
CN	<u>Propanedioic acid</u> , (1-naphthalenylmethyl)(3-pyridinylmethyl)-, diethyl ester (9CI) (CA INDEX NAME)			



=> file caold

COST IN U.S. DOLLARS
FULL ESTIMATED COST

SINCE FILE
ENTRY
8.29

TOTAL
SESSION
142.31

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	-1.12	-1.12

FILE 'CAOLD' ENTERED AT 21:30:07 ON 09 SEP 2001
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2001 AMERICAN CHEMICAL SOCIETY (ACS)

FILE COVERS 1907-1966
FILE LAST UPDATED: 01 May 1997 (19970501/UP)

This file contains CAS Registry Numbers for easy and accurate substance identification. Title keywords, authors, patent assignees, and patent information, e.g., patent numbers, are now searchable from 1907-1966. TIFF images of CA abstracts printed between 1907-1966 are available in the PAGE display formats.

This file supports REGISTRY for direct browsing and searching of all substance data from the REGISTRY file. Enter HELP FIRST for more information.

=> d his

(FILE 'HOME' ENTERED AT 21:28:12 ON 09 SEP 2001)

FILE 'REGISTRY' ENTERED AT 21:28:16 ON 09 SEP 2001

L1 STRUCTURE UPLOADED
L2 STRUCTURE UPLOADED
L3 0 S L2
L4 5 S L3 FULL

FILE 'CA' ENTERED AT 21:29:41 ON 09 SEP 2001

L5 2 S L4

FILE 'CAOLD' ENTERED AT 21:30:07 ON 09 SEP 2001

=> s l4

L6 0 L4

=>

---Logging off of STN---

=>

Executing the logoff script...

=> LOG Y

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
FULL ESTIMATED COST	ENTRY	SESSION
	0.31	142.62
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
CA SUBSCRIBER PRICE	ENTRY	SESSION
	0.00	-1.12

* * * * *

Dear valued customer,

Your feedback is important to us. Would you kindly take a moment to complete our survey? This survey will only take about 5-10 minutes to complete. Your responses will be kept confidential and will help us improve STN Express with Discover! for your future use. Please click on the following link to access the survey.

<http://www.cas.org/ONLINE/STN/ExpressSurveyForm.html?LOGINID=SSSPTA1612BXR>

* * * * *

STN INTERNATIONAL LOGOFF AT 21:30:24 ON 09 SEP 2001

Connection closed by remote host